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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/749,252 | 12/30/2003 | Eui-Chan Cho | 11038-139-999 | 8366 |

24341 7590 11/30/2004

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EXAMINER

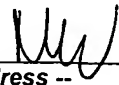
STRIMBU, GREGORY J

| ART UNIT | PAPER NUMBER |
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3634

DATE MAILED: 11/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------------|---------------------|---|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/749,252 | CHO, EUI-CHAN | |
| | Examiner | Art Unit | |
| | Gregory J. Strimbu | 3634 |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>8/11/04+6/28/04</u> . | 6) <input type="checkbox"/> Other: ____ |

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract of the disclosure is objected to because it does not assist readers in deciding whether there is a need for consulting the full patent text for details. It is suggested that the applicant amend the abstract to include the slidable stop bar attached to one of the sliders. Correction is required. See MPEP § 608.01(b).

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. It is suggested that the applicant amend the title to include the stop bar. See claim 1.

Claim Rejections - 35 USC § 112

Claim 4 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Lines 1-3 of claim 4 render the claim indefinite because it is unclear how the distance from the glass rail to the straight line can change when the regulator has not moved.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wautelet et al. in view of Halliwell. Wautelet et al. discloses a door window glass regulator assembly 30 for a vehicle comprising a lifting arm 52, a glass rail 36 slidably connected to the lifting arm for effecting vertical movement of the glass rail by rotational motion of the lifting arm, an auxiliary arm 60 hinged to the lifting arm and slidably connected to the glass rail, a support rail 66 for slidably supporting the auxiliary arm, first 56 and second 72 sliders, the first slider slidably connecting the lifting arm to the glass rail, and the second slider slidably connecting the auxiliary arm to the glass rail, a slidable stop bar 75 between the two sliders, a rotation point 58, a hinge point 64, and the stop bar includes a damper 94 as shown in figure 13. Wautelet et al. is silent concerning connecting the stop bar to one of the sliders.

However, Halliwell, in figure 3, discloses a window regulator comprising stop bar 19 which is connected to a slider (B) by at least one connecting element. It should be

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noted that the connecting element is not specifically shown, however, some type of connecting element must be used to connect the end of the stop bar 19 to the slider (B).

It would have been obvious to one of ordinary skill in the art to connect the stop bar of Wautelet et al. to one of the sliders of Wautelet et al. with a connecting element, as taught by Halliwell, to ensure the proper positioning of the stop bar with respect to the sliders.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wautelet et al. in view of Halliwell as applied to claims 1-3 above, and further in view of Doveinis. Doveinis discloses a window regulator wherein a maximum first distance measured downwardly from a straight line to the glass rail 26 is greater than a maximum second distance measured upwardly from the straight line to the glass rail, the straight line being defined by the rotation point 34 and the hinge point 38''.

It would have been obvious to one of ordinary skill in the art to provide Wautelet et al., as modified above, with a movement, as taught by Doveinis, to increase the size of window pane that can be used with the window regulator.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wautelet et al. in view of Halliwell as applied to claims 1-3 above, and further in view of Nieboer et al. Nieboer et al. disclose a window regulator comprising a lifting arm 214 having a member 370 attached thereto via a hitching hole 216 and a hitching lug 382.

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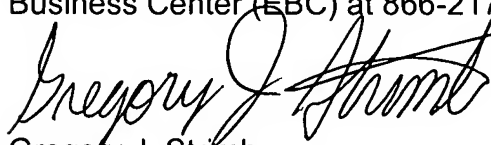
It would have been obvious to one of ordinary skill in the art to provide Wautelet et al., as modified above, with a attachment mechanism, as taught by Nieboer et al., to increase the ease with which the stop bar can be connected to the lifting arm.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. MacPhail-Fausey, Krajenke, Lam et al. and Munch are cited for disclosing a vehicle window regular comprising a cushioning means.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory J. Strimbu whose telephone number is 703-305-3979. The examiner can normally be reached on Monday through Friday 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 703-308-2486. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gregory J. Strimbu
Primary Examiner
Art Unit 3634
November 24, 2004